

## What is Claimed:

- 1                   1.     A computer system comprising:
  - 2                         a frame defining a plurality of cells, each of said cells being
  - 3                         configured to receive a computer module through a respective opening
  - 4                         adjacent said cell;
  - 5                         a computer module configured for insertion into a respective one
  - 6                         of said cells through a respective one of said openings; and
  - 7                         a cell cover substantially covering at least one other of said
  - 8                         openings adjacent a cell not occupied by a computer module.
- 1                   2.     The computer system of claim 1 wherein said computer
- 2                         module is oriented in said cell such that cooling gas may be drawn into said
- 3                         cell through said respective opening for cooling said computer module.
- 1                   3.     The computer system of claim 1 wherein said cell cover
- 2                         limits cooling gas used to cool a portion of the computer system from being
- 3                         recirculated into any of said plurality of cells.
- 1                   4.     The computer system of claim 1 wherein said cell cover
- 2                         includes at least one fastener, each of said fasteners configured for
- 3                         engagement with a respective hole defined by a portion of said computer
- 4                         system.
- 1                   5.     The computer system of claim 4 wherein said at least one
- 2                         fastener is a spring-loaded retention pin including an end portion configured
- 3                         for engagement with the respective hole defined by the portion of said
- 4                         computer system.
- 1                   6.     The computer system of claim 1 additionally comprising a
- 2                         gap cover substantially covering a gap defined between said computer

3 module and at least one of a plurality of support members included in said  
4 frame.

1           7.     The computer system of claim 6 wherein said gap cover  
2 includes at least one gap cover fastener, each of said gap cover fasteners  
3 configured for engagement with a respective gap cover hole defined by  
4 another portion of said computer system.

1           8.     The computer system of claim 7 wherein said at least one  
2 gap cover fastener is a spring-loaded retention pin including an end portion  
3 configured for engagement with the respective gap cover hole.

1           9.     The computer system of claim 6 wherein said gap cover  
2 includes a flanged portion covering at least one mounting hole defined by said  
3 frame, said at least one mounting hole not being used for mounting.

1           10.    The computer system of claim 1 wherein said computer  
2 system is a computer server system and said computer module is a modular  
3 computer server.

1           11.    A computer system comprising:  
  
2                a frame including a plurality of support members, said support  
3 members at least partially defining a plurality of cells in said frame, each of  
4 said cells being configured to receive a respective computer module through a  
5 respective opening adjacent said cell;  
  
6                a computer module configured for insertion into one of said cells  
7 through a respective one of said openings, wherein a gap is defined between  
8 said computer module and at least one of said support members; and

9                a gap cover substantially covering said gap.

1           12.    The computer system of claim 11 wherein said computer  
2 module is oriented in said cell such that cooling gas may be drawn into said  
3 cell through said respective opening for cooling said computer module.

1           13.    The computer system of claim 11 wherein said gap cover  
2 is positioned over said gap such that cooling gas used to cool a portion of the  
3 computer system is limited from being recirculated into any of said plurality of  
4 cells.

1           14.    The computer system of claim 11 additionally comprising  
2 a cell cover substantially covering at least one of said openings adjacent a cell  
3 not occupied by a computer module.

1           15.    The computer system of claim 14 wherein said cell cover  
2 limits cooling gas used to cool a portion of said computer system from being  
3 recirculated into any of said plurality of cells.

1           16.    The computer system of claim 14 wherein said cell cover  
2 includes at least one fastener, each of said fasteners being configured for  
3 engagement with a respective hole defined by a portion of said computer  
4 system.

1           17.    The computer system of claim 16 wherein said at least  
2 one fastener is a spring-loaded retention pin including an end portion  
3 configured for engagement with the respective hole defined by the portion of  
4 said computer system.

1           18.    The computer system of claim 11 wherein said gap cover  
2 includes at least one gap cover fastener, each of said gap cover fasteners  
3 being configured for engagement with a respective gap cover hole defined by  
4 a portion of said computer system.

1           19.    The computer system of claim 18 wherein said at least  
2 one gap cover fastener is a spring-loaded retention pin including an end  
3 portion configured for engagement with the respective gap cover hole.

1                   20.    The computer system of claim 11 wherein said gap cover  
2 includes a flanged portion covering at least one mounting hole defined by said  
3 frame.

1                   21.    The computer system of claim 11 wherein said computer  
2 system is a computer server system and said computer module is a modular  
3 computer server.

1                   22.    A method of preventing recirculation of cooling gas in a  
2 computer system including a frame defining a plurality of cells, each of the  
3 cells being configured to receive a computer module through a respective  
4 opening adjacent the cell, said method comprising the steps of:

5                         inserting a computer module into one of the cells through a  
6 respective one of the openings; and

7                         covering, with a cell cover, another of the openings adjacent a  
8 cell not occupied with a computer module.

1                   23.    The method of claim 22 additionally comprising:

2                         fastening the cell cover to the computer system over the  
3 another opening.

1                   24.    The method of claim 23 wherein said fastening step  
2 includes engaging at least one spring-loaded retention pin coupled to the cell  
3 cover with a respective hole defined by the computer system.

1                   25.    The method of claim 22 additionally comprising the step  
2 of:

3                         covering, with a gap cover, a gap defined between the computer  
4 module and at least one of a plurality of support members included in the  
5 frame.

- 1                   26.    The method of claim 25 additionally comprising the step  
2    of:  
3                   fastening the gap cover to the computer system over the gap.